

CS-IMF 804-809/849-854 RJ50 788- 803

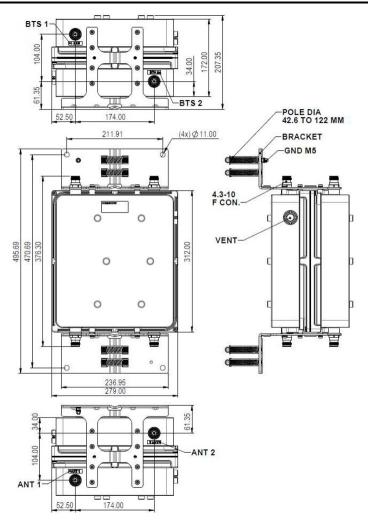
• New 4.3-10 connectors for improved PIM performance and size reduction

Product Classification	
Product Type	Interference mitigation filter
General Specifications	
Color	Gray
Modularity	2-Twin
RF Connector Interface	4.3-10 Female
RF Connector Interface Body Style	Long neck
Dimensions	
Height	312 mm 12.283 in
Width	279 mm 10.984 in
Depth	172 mm 6.772 in
Ground Screw Diameter	5 mm 0.197 in

Outline Drawing

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Electrical Specifications, dc Power/Alarm

Lightning Surge Current	5 kA
Lightning Surge Current Waveform	8/20 waveform

Electrical Specifications

Sub-module	1 2	1 2
Branch	1	1

Electrical Specifications, Band Pass

Frequency Range, MHz	849-854	804-809
Insertion Loss, maximum, dB	0.4	1.15
Insertion Loss, typical, dB	0.2	0.3

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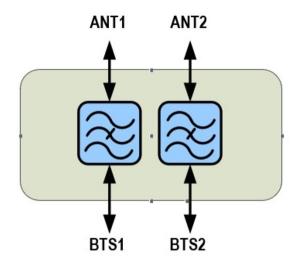
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Group Delay Variation, maximum, ns	5	650
Total Group Delay, maximum, ns	45	800
Total Group Delay, typical, ns	35	400
Return Loss, minimum, dB	18	18
Return Loss, typical, dB	20	20
Isolation, minimum, dB	60	60
Input Power, RMS, maximum, W	300	
Input Power, PEP, maximum, W	1500	
3rd Order PIM, maximum, dBc	-153	
3rd Order PIM, typical, dBc	-155	
3rd Order PIM Test Method	2 x 20 W CW tones	

Electrical Specifications, Band Reject

Frequency Range, MHz	788-803
Attenuation, minimum, dB	50
Attenuation, typical, dB	53

Block Diagram



Pass Band: Tx 84-854 MHz Rx 804-809 MHz Rejection Band: 788-803 MHz Attenuation 60 dB min/ 80dB typical

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Environmental Specifications

Weight, without mounting hardware

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Relative Humidity	Up to 100%
Ingress Protection Test Method	IEC 60529:2001, IP67
Packaging and Weights	
Volume	12
Weight, net	18.4 kg 40.565 lb

16.2 kg | 35.715 lb

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